



Angovo green energy mini-grid infrastructure project portfolio

The **Angovo project** in Atsimo-Andrefana Region Madagascar is a Team Europe green energy infrastructure developed and implemented by ANKA Madagascar.

So far, the project portfolio provides distributed renewable energy (DRE) to 4,500 direct and indirect beneficiaries, mitigating 563 tonnes of CO₂. The project aims to electrify a total of 70,000 people and achieve 5,600 tonnes of mitigated CO₂. ANKA is currently developing e-education, e-health, and Agrigrid© programmes on the concerned sites.

ANKA leverages a blended finance model that combines public funding with private investment. The project is co-financed by the French Development Agency (AFD) and the European Union (EU), with technical support from GIZ, combined with private investments from ANKA's technical and financial partners: Canopy, atmosfair, Realize Impact and Ground Squirrel Ventures. The total budget is EUR 7,420,000.

Angovo aims to improve access to sustainable energy in rural Madagascar and drive local economic growth. It focuses on deploying green energy (solar) infrastructure across five regions in southern Madagascar, including Atsimo-Andrefana region, to supply electricity to households, businesses, and public services. The initiative also fosters entrepreneurship, enhances security, and facilitates modern agricultural processing technologies.

Having already developed two mini-grids, including the Mangily site, serving six villages, ANKA will now establish a dozen additional mini-grids to electrify 39 more villages. This expansion will bring clean and reliable energy to a total of 45 villages, strengthening ANKA's position as a key player in sustainable rural electrification.



Location:
Madagascar,
Atsimo-Andrefana Region



Budget:
EUR 7,420,000



Private financing:
Canopy, atmosfair, Realize Impact,
and Ground Squirrel Ventures

Team Europe financing:
AFD, EU and technical support
from GIZ



Green energy infrastructure:
The project aims to install more
than 2.5 MWc with an average
per site of 170 kWc. Currently,
400 kWc have been installed.



Electricity connections:
The project aims to electrify
~70,000 people.

So far, the project provides power to
4,500 direct and
indirect beneficiaries.

Among **780**
connections created,
83% are households,
13% are productive users
(incl. hospitality, refrigeration,
multi-services, metal works,
and hairdressing),
4% are public and social
institutions (incl. three public
health centres and one private
clinic, three public schools and
public lighting on the village main
road and the marketplace).



Climate impact:

The project aims to mitigate approximately

5,600 tonnes of CO₂ emissions per year.

Currently, the equivalent of 563 tonnes of CO₂ are avoided.



Social impact:

ANKA believes in the necessity of local hiring to facilitate the adoption of the mini-grid project by the communities. Thus, for the Mangily site, six sales representatives and technicians have been hired locally. A major component of this expansion is the distribution of 4,000 e-cooking devices, reducing reliance on charcoal, improving air quality, and promoting cleaner cooking alternatives.



Mangily Network

**Odette
RAHARIMALALA**

Household size: 5 people

Main generating income activity: Commercial - small grocery store & "gargotte" (cheap eatery)



Prior to ANKA's arrival, I ran a modest grocery store, but with the introduction of electricity, my business experienced a remarkable transformation. I was able to invest in a freezer, offering customers a refreshing selection of chilled beverages. My venture into the restaurant industry was also enhanced, as I could diversify the menu offerings effortlessly. Gone were the days of preparing a single dish due to charcoal limitations; the e-cooking kit streamlined the process, providing customers with a range of choices and reducing cooking time significantly. This convenience extended to our daily household routine, enabling my children to prepare breakfast swiftly and head to school without haste. Beyond the tangible benefits of time and cost savings facilitated by the e-cooking kit, the immeasurable gains in cleanliness and health have become a part of our daily lives, thanks to the e-cooking solution."

In addition to enabling new projects, the **Angovo initiative** will enhance the existing mini-grids, including Mangily, by increasing storage system capacity. This upgrade will further improve the energy mix, ensuring greater efficiency and stability in power supply while optimising renewable energy integration.

The **Angovo Project** is enabling extended business hours for local markets and grocery stores, improved food storage, and a boost in tourism. It has enabled longer study hours and strengthened public safety through better street lighting. Additionally, it is improving healthcare services by supporting emergency medical care, childbirth, and vaccinations. Furthermore, better network and internet connectivity are fostering local business growth and contribute to overall community development.



Dina Rajaobelina – Brand Director ANKA – dina.r@go-anka.com
Alliance for Rural Electrification – are@ruralelec.org



Team Europe Project Partners:



Facilitated by:



Supported by:

